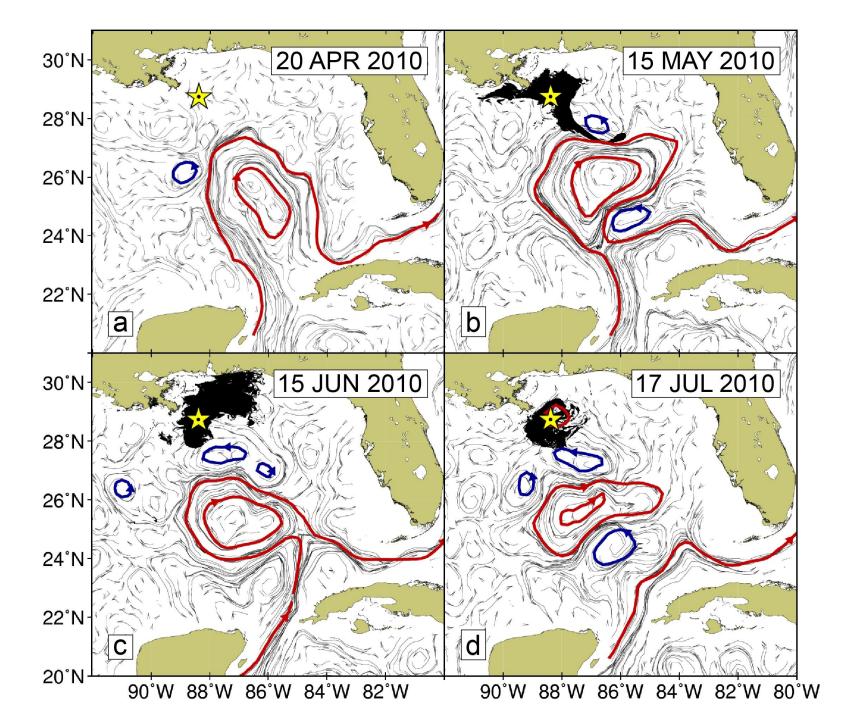


Fisheries Oceanography during the Deepwater Horizon Oil Spill

AOML – SEFSC Workshop May 29, 2014 Ryan Smith AOML/PhOD



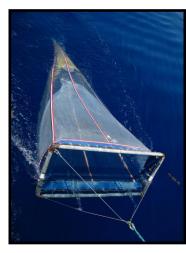
AOML – SEFSC Interdisciplinary Oceanography

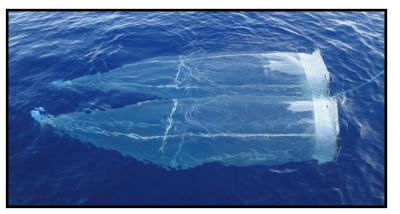
Deepwater Horizon Response NOAA Ship *Nancy Foster* June 30 – July 18, 2010

73 CTD/LADCP(57) casts (w/ O₂, chl_a, CDOM) 191 XBT deployments 24 surface drifter deployments 55 flow-through stations (chl_a, nuts, p.plank) continuous SADCP and TSG (w/ chl_a, CDOM) 69 neuston net tows (947 μm mesh) 29 bongo net tows (505 μm mesh) 28 MOCNESS tows (505 μm mesh)

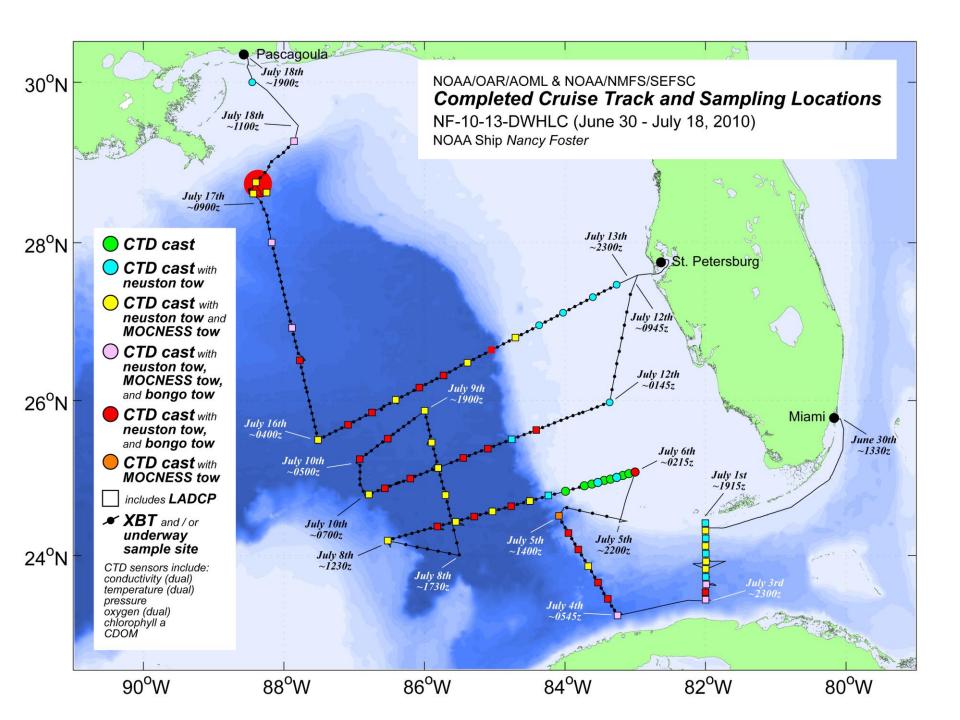


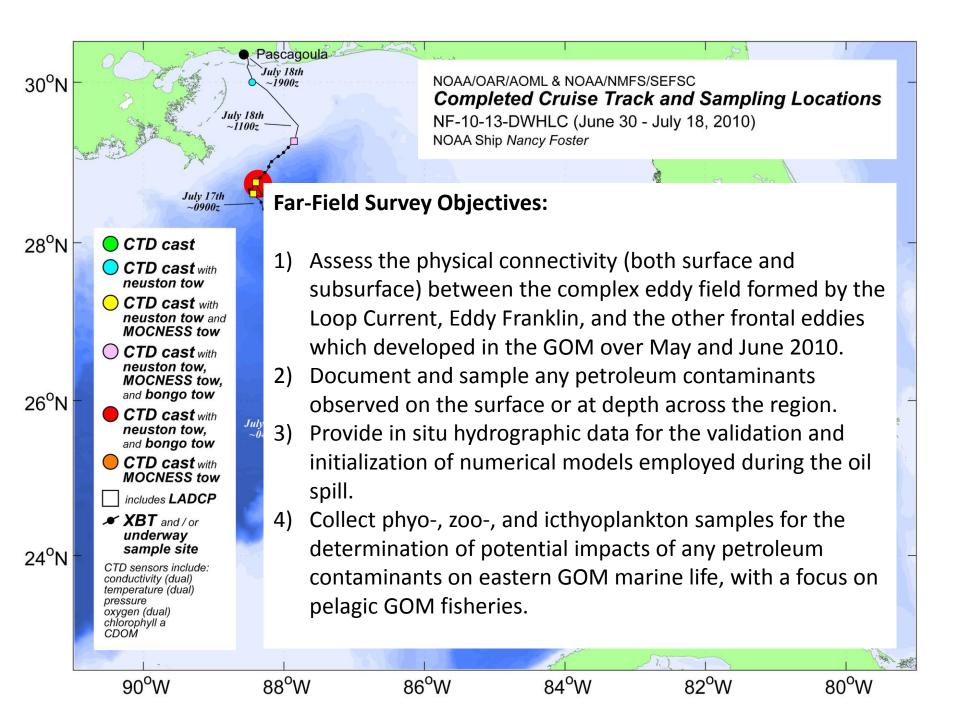


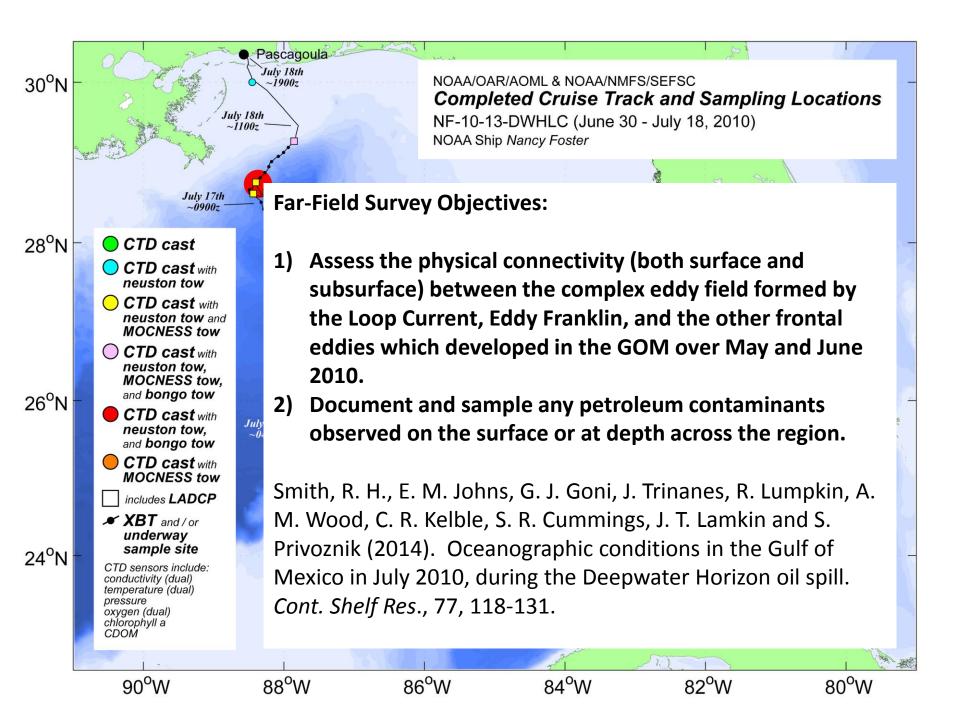


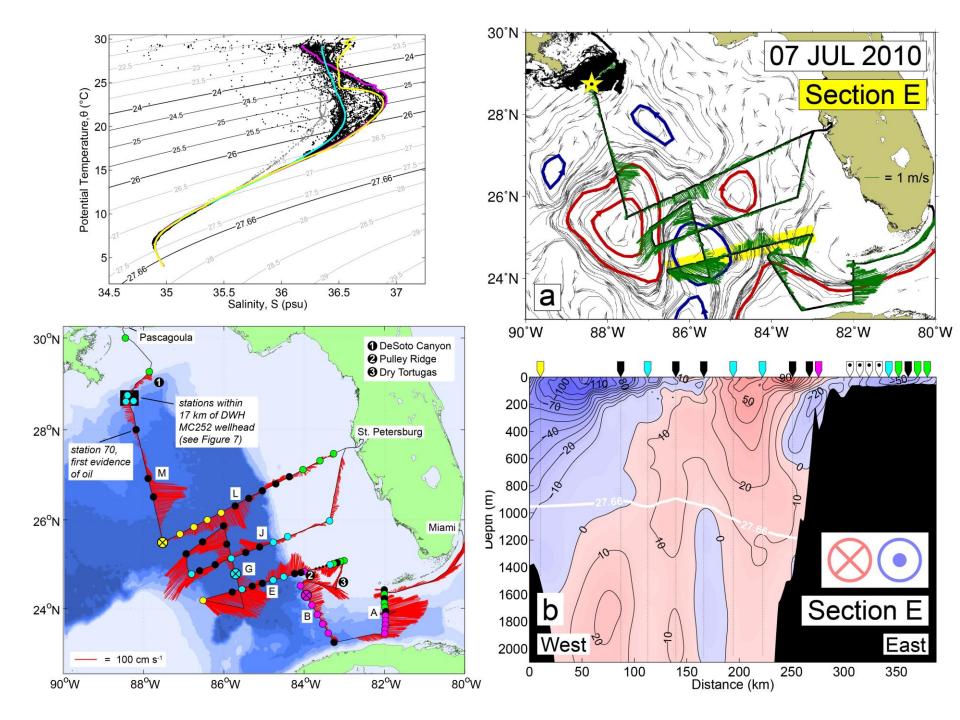


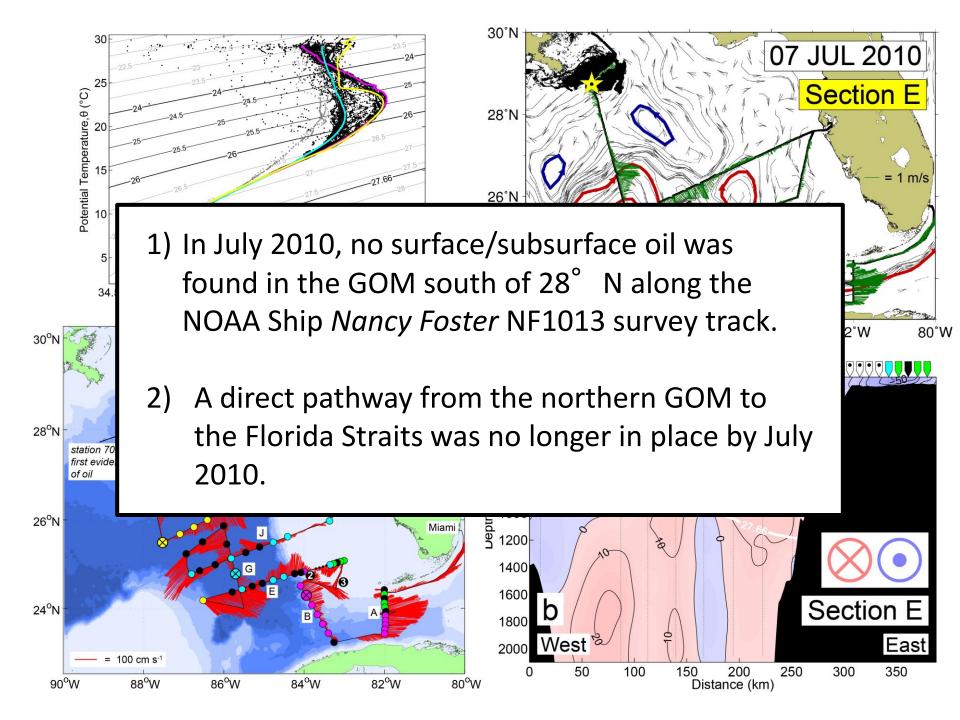


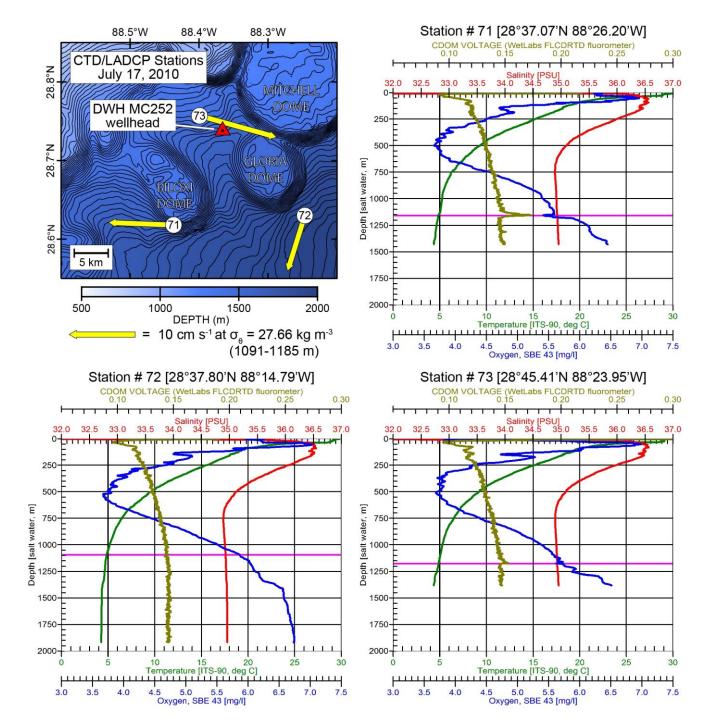


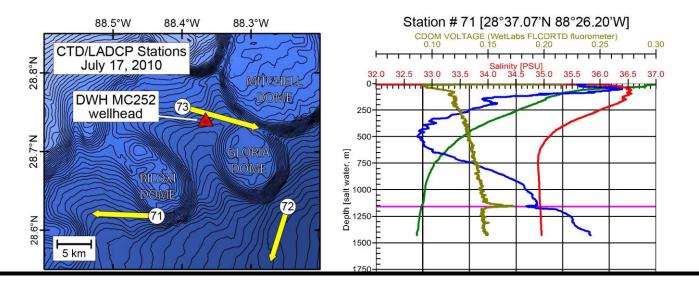




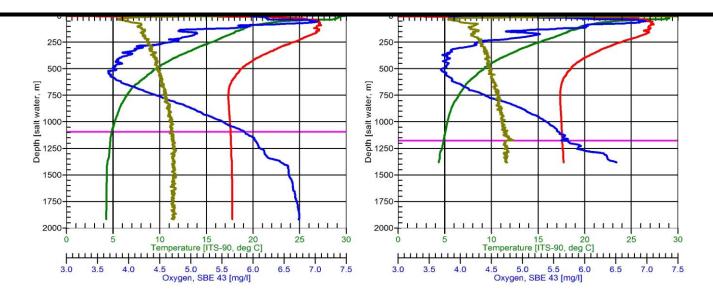








3) On July 17, 2010, a subsurface hydrocarbon plume was confirmed 15 km southwest of the wellhead at 1154 m depth.



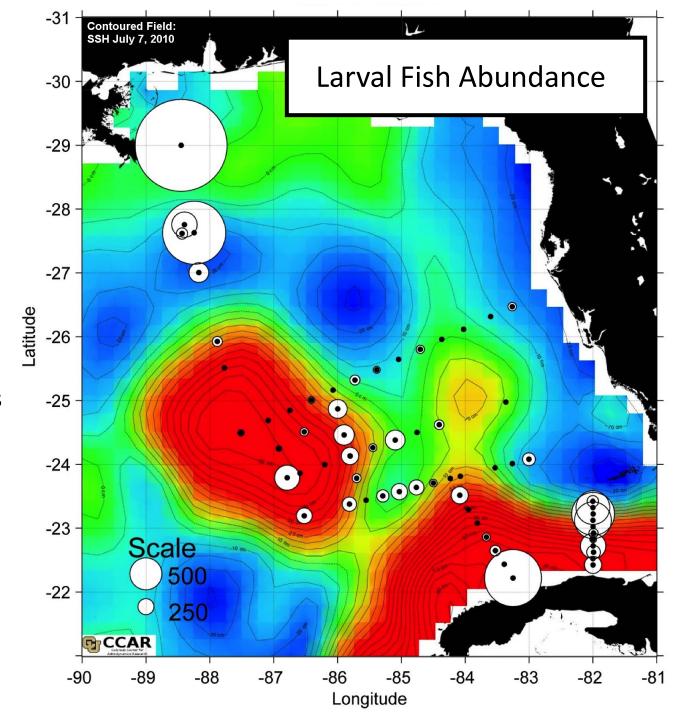


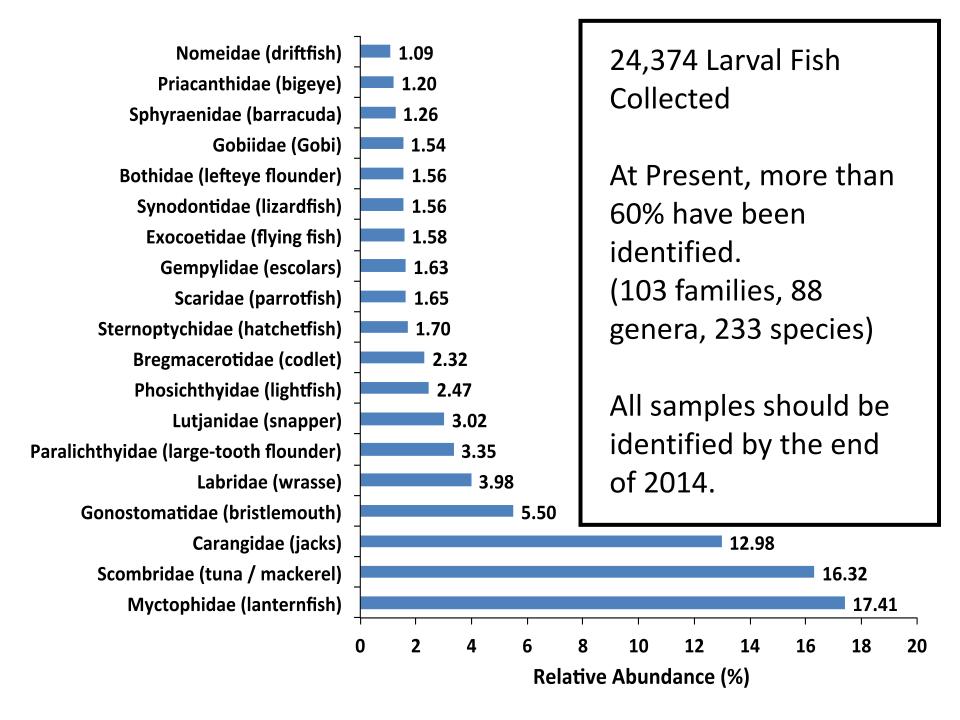
ECOSUR Zooplankton Lab

- S. Morales
- L. Vásquez-Yeomans
- L. Carrillo

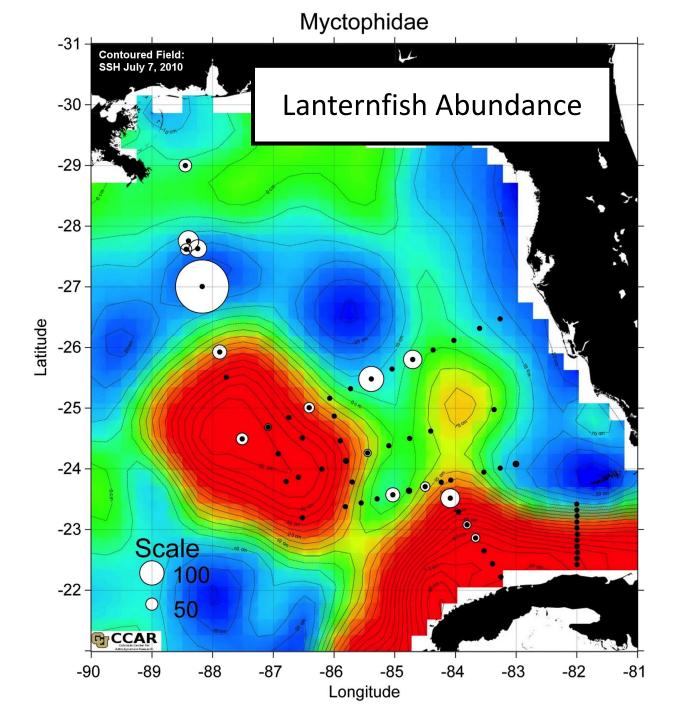
SEFSC ELH Lab

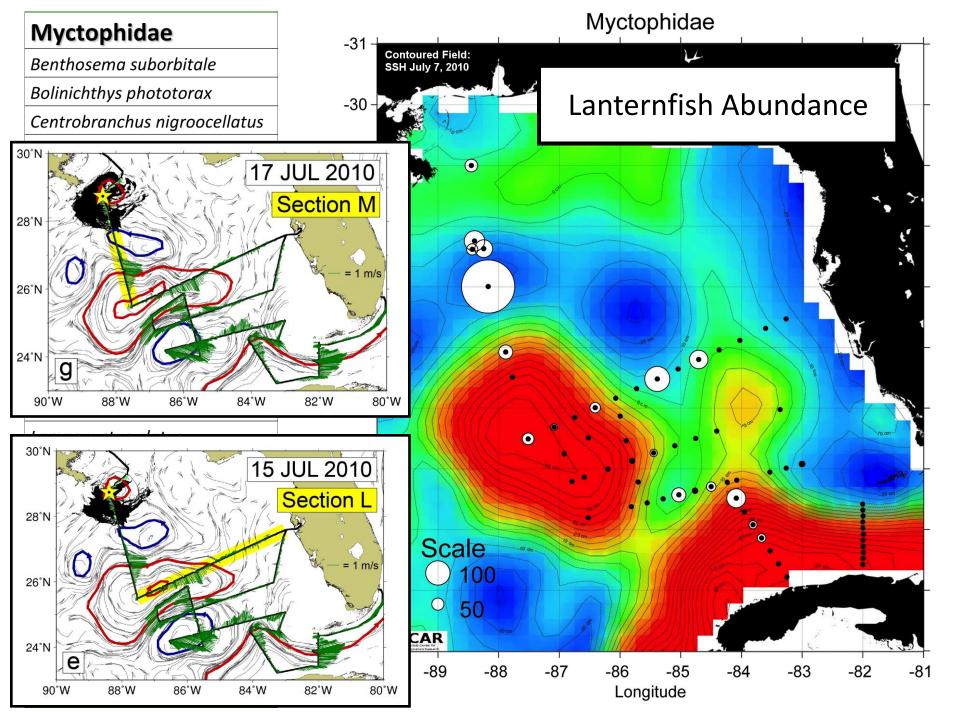
- E. Malca
- S. Privoznik
- J. Lamkin



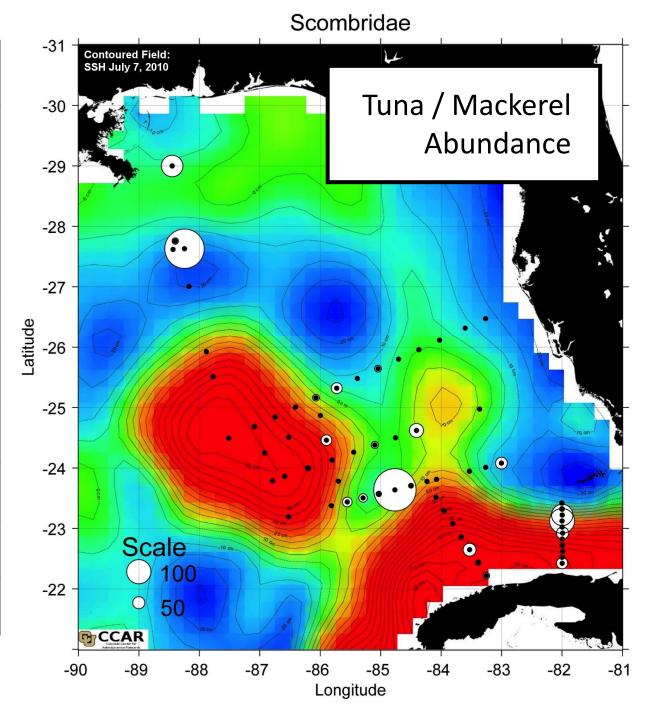


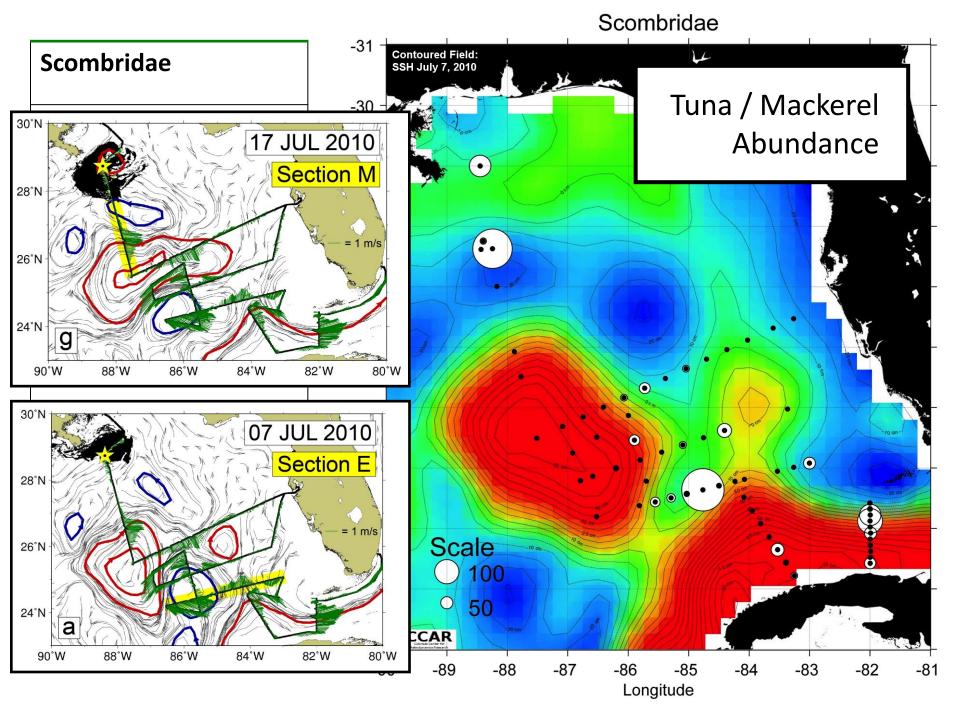
Myctophidae
Benthosema suborbitale
Bolinichthys phototorax
Centrobranchus nigroocellatus
Ceratoscopelus townsendi
Diaphus brachycephalus
Diaphus mollis
Diogenichthys atlanticus
Gonichthys cocco
Hygophum reinhardtii
Hygophum taaningi
Lampadena luminosa
Lampadena anomala
Lampadena urophaos
Lampanyctus alatus
Lepidophanes guentheri
Nannobrachium cuprarium
Nannobrachium lineatum
Notolychnus valdiviae
Myctophum affine
Myctophum asperum
Myctophum obtusirostre
Myctophum selenops
Myctophum nitidulum





Scombridae Auxis rochei Auxis thazard Acanthocybium solandri Euthynnus alletteratus Katsuwonus pelamis Scomber colias Scomberomorus cavalla Thunnus atlanticus Thunnus spp.





Carangidae	
Alectis ciliaris	
Chloroscombrus chrysurus	-
Caranx crysos	
Caranx hippos/latus	
Caranx ruber/bartholomaei	
Decapterus puctatus	-
Elagatis bipinnulata	-
Selar crumenophthalmus	
Selene setapinnis	
Seriola dumerili	
Seriola fasciata	
Seriola zonata	
Trachinotus falcatus	

